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Adaptation of Cloud Computing in Polish Energy Companies*

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Abstract

Nowadays, Cloud computing is a major trend in the IT market, changing the way businesses acquire, use and pay for IT solutions to support their operations. Today, companies across the energy sector are increasingly adopting cloud computing solutions (which mainly include IT infrastructure, software platforms and specialized types of software with related services). The article, based on literature studies and analysis of available research results, presents the state of cloud computing adaptation in Polish energy companies against the background of the EU. Previous studies have indicated that energy companies were not leaders in the use of cloud computing. Based on the analysis of statistical data, it can be concluded that the current level of cloud computing adoption in energy companies in Poland is higher than in the EU. In addition, energy companies in Poland have overtaken long-term leaders, i.e. IT and telecommunications companies, in terms of cloud adoption. The article also identifies the levels of cloud computing adoption in enterprises from the energy sector. In energy companies, cloud computing solutions are most often located at the basic, standard or specialist level. In the final part of the article, examples of the implementation of cloud computing solutions in energy companies are presented based on the distinguished levels of adaptation.